

**IN THE CLAIMS**

1. (Amended) An enzyme having AH0Y-type activity which includes amino acids 177 to 314 of the amino acid sequence of Figure 1 (SEQ ID NO:1), or a functional portion or functional equivalent of said enzyme.
2. (Amended) An enzyme according to claim 1 which comprises amino acids 183 to 614 of the amino acid sequence of Figure 1 (SEQ ID NO:1).
3. (Amended) An enzyme according to claim 1 which comprises amino acids 1 to 614 of the amino acid sequence of Figure 1 (SEQ ID NO:1).
5. (Amended) A DNA sequence according to claim 4 in which sequence (a) comprises nucleotides 529 to 945 of the Figure 1 (SEQ ID NO:1) sequence.
7. (Amended) A DNA sequence according to claim 4 in which sequence (a) comprises nucleotides 1 to 1844 of the Figure 1 (SEQ ID NO:1) sequence.
18. (Amended) An optionally labelled nucleic acid probe capable of hybridising under high stringency, to a nucleotide sequence of Figure 1 (SEQ ID NO:1).